Order Code - 2223840.2
Item Name - ESP8266 NodeMCU CP2102 Board

Description-The ESP8266 NodeMCU CP2102 board has ESP8266 which is a highly integrated chip designed for the needs of a new connected world. It offers a complete and self-contained Wi-Fi networking solution, allowing it to either host the application or to offload all Wi-Fi networking functions from another application processor.

ESP8266 has powerful on-board processing and storage capabilities that allow it to be integrated with the sensors and other application-specific devices through its GPIOs with minimal development up-front and minimal loading during runtime. Its high degree of on-chip integration allows for minimal external circuitry, and the entire solution, including the front-end module, is designed to occupy minimal PCB area.

Specifications-
- Open-source, Interactive, Programmable, Low cost, Simple, Smart, WI-FI enabled
- Arduino-like hardware IO
- Integrated TR switch, balun, LNA, power amplifier and matching network
- Integrated PLL, regulators, DCXO and power management units
- Onboard USB to serial chip to easily program and upload codes from the Arduino IDE
- Embeds logic level converter circuits
- Has onboard 3.3V regulator to ensure enough power to function as your go-to WiFi chip!
- Easy access to the GPIO pins for easy prototyping
- ESP-12E Processor
- Easy to use breadboard friendly form factor